(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 1 April 2004 (01.04.2004)

PCT

(10) International Publication Number WO 2004/026482 A1

(51) International Patent Classification7: F01N 3/01, B03C 3/017, F01N 3/027

B03C 3/155,

(74) Agents: NEILL, Alastair, William et al.; Appleyard Lees, 15 Clare Road, Halifax HX1 2HY (GB).

(21) International Application Number:

PCT/GB2003/004164

(22) International Filing Date:

22 September 2003 (22.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0221989.7

21 September 2002 (21.09.2002) GB

- (71) Applicant (for all designated States except US): PER-TEC LIMITED [GB/GB]; Manchester School of Engineering, The University of Manchester, Simon Building, Oxford Road, Manchester M13 9PL (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KUKLA, Peter [GB/GB]; Per-Tec Limited, Manchester School of Engineering, The University of Manchester, Simon Building, Oxford Road, Manchester M13 9PL (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,

KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,

MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,

TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

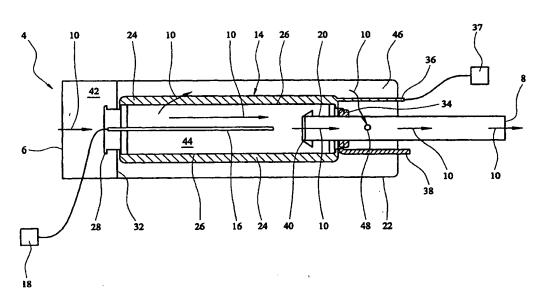
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENT IN AND RELATING TO GAS CLEANING DEVICES



(57) Abstract: There is disclosed a gas cleaning device (4) comprising a gas inlet (6), a gas outlet (8) and a path of fluid communication (10) between the gas inlet and gas outlet, a filter (14) in the path of fluid communication and ionising means (16), which ionising means is at least partly within the filter. A vehicle (3) incorporating such a gas cleaning device in the exhaust gas flow path of an exhaust (2) thereof is also disclosed.